

DECLARATION AND POWER OF ATTORNEY

I, LELAND W. WEISS, declare that I am a citizen of the United States of America, residing at Pullman, Washington, and that I believe I am one of the original, first, and joint inventors together with JOHN M. CLARKE AND CHRISTOPHER G. WARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

STEAM POWERED FREE PISTON PUMP

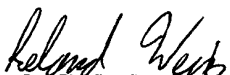
the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Jason J. Stanley, Patent Office Reg. No. 47,962, telephone (309) 675-5187, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Jason J. Stanley, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


LELAND W. WEISS
Date

Post Office Address:

1620 NE Northwood Dr
#D102

Pullman, Washington 99163

DECLARATION AND POWER OF ATTORNEY

I, CHRISTOPHER G. WARK, declare that I am a citizen of the United States of America, residing at Peoria , Illinois, and that I believe I am one of the original, first, and joint inventors together with JOHN M. CLARKE AND LELAND W. WEISS of the subject matter which is claimed and for which a patent is sought on the invention entitled:

STEAM POWERED FREE PISTON PUMP


the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Jason J. Stanley, Patent Office Reg. No. 47,962, telephone (309) 675-5187, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Jason J. Stanley, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 Aug 20, 2003
CHRISTOPHER G. WARK Date
Post Office Address:
310 W. Hollyridge Circle
Peoria, Illinois 61614-7333

DECLARATION AND POWER OF ATTORNEY

I, JOHN M. CLARKE, declare that I am a citizen of the United States of America, residing at Chillicothe, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER G. WARK AND LELAND W. WEISS of the subject matter which is claimed and for which a patent is sought on the invention entitled:

STEAM POWERED FREE PISTON PUMP

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Jason J. Stanley, Patent Office Reg. No. 47,962, telephone (309) 675-5187, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Jason J. Stanley, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 7/29/03

JOHN M. CLARKE Date

Post Office Address:

15615 N. Ivy Lake Road
Chillicothe, Illinois 61523-9134